In the Claims

1-23. (Cancelled)

24. (Previously Presented) A high strength stainless steel seamless pipe for use in oil wells, which has superior corrosion resistance, comprising on a mass percent basis:

0.005% to 0.05% of C;

0.05% to 0.5% of Si;

0.2% to 1.8% of Mn;

0.03% or less of P;

0.005% or less of S;

15.5% to 18% of Cr;

1.5% to 5% of Ni;

1% to 3.5% of Mo;

0.02% to 0.2% of V;

0.01% to 0.15% of N;

0.006% or less of O; and

the balance being Fe and unavoidable impurities,

wherein the following equations (1) and (2) are satisfied

$$Cr+0.65Ni+0.6Mo+0.55Cu-20C\geq 19.5 \quad (1)$$

$$Cr+Mo+0.3Si-43.5C-0.4Mn-Ni-0.3Cu-9N\geq 11.5 \quad (2)$$

wherein Cr, Ni, Mo, Cu, C, Si, Mn, and N represent the respective contents on a mass percent basis,

and contains an austenite phase at a volume fraction between 2.6% and 30%, a ferrite phase at a volume fraction between 10% and 60% and a martensite phase as the balance of the volume fraction, and has a yield strength of 654 MPa or more.

25. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.002% to 0.05% of Al on a mass percent basis.

26. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of C is in the range of 0.03% to 0.05% on a mass percent basis.

27. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Cr is in the range of 16.6% to less than 18% on a mass percent basis.

28. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Mo is in the range of 2% to 3.5% on a mass percent basis.

29. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.5% to 3.5% of Cu on a mass percent basis.

30. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 29, wherein the content of Cu is in the range of 0.5% to 1.14% on a mass percent basis.

31. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising at least one selected from 0.03% to 0.2% of

Nb, 0.03% to 0.3% of Ti, 0.03% to 0.2% of Zr, 0.2% to 3% of W, and 0.0005% to 0.01% of B on a mass percent basis.

32. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.0005% to 0.01% of Ca on a mass percent basis.

33. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the stainless steel seamless pipe has a texture containing a martensite phase as a primary phase.

34. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 33, wherein the ferrite phase has a volume fraction of 15% to 50%.

35. (Cancelled)

36. (New) The high strength stainless steel seamless pipe according to Claim 24, wherein the ferrite phase is present at a volume fraction between 15% and 60%.

37. (New) The high strength stainless steel seamless pipe according to Claim 24, wherein the volume fraction of the martensite phase is at most 75.8%.